

FLAME RETARDANT EXPANDABLE POLY(ARYLENE
ETHER)/POLYSTYRENE COMPOSITIONS AND PREPARATION THEREOF

ABSTRACT OF THE DISCLOSURE

[0065] A non-halogenated, fire retardant, expanded poly (arylene ether)/polystyrene blends is produced by the method comprising, in a first step, forming a fire retardant mixture comprising a non-halogenated fire retardant, poly(arylene ether) resin and polystyrene resin by intimately mixing in melt; and in a second step, forming the non-halogenated, fire retardant, expandable poly (arylene ether)/polystyrene blend by intimately mixing in melt the fire retardant mixture with a blowing agent and in a third step expanding the non-halogenated, fire retardant, expandable poly (arylene ether)/polystyrene blend.